

Form PTO-1449 (Modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement

(Use several sheets if necessary)

Atty Docket No.

NRWB002--2

Serial No.

Applicant

Paul A. Brown

Filing Date

04/06/99

Group

3c518 U.S. P.  
09/28/028  
04/06/99

Reference Designation

U. S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
↖	AA 4,772,870	9/88	Reyes, R.R.	340	310	
↖	AB 1,547,242	7/25	Strieby, M.E.			
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
↖	AL GB 2101857	1/93	United Kingdom	H04B	3/56	
↖	AM GB 1548652	7/79	United Kingdom	H04B	3/54	
↖	AN EP 0141673	5/85	Europe	H04B	3/56	
↖	AO WO92/16920	1/92	PCT	H04B	3/54	
↖	AP WO84/01481	4/84	PCT	H04B	3/54	

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

↖	AR	J.R. Formby and R.N. Adams, "The Mains Network As A High Frequency Signalling Medium," The Electricity Council, January 1970
↖	AS	J.M. Barstow, "A Carrier Telephone System for Rural Service, AIEE Transactions, Vol. 66, 1947, pp. 501-507
	AT	

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AA						
AB						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
AL						
AM						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

AR	I.C. Vercellotti & I.A. White, "Distributed Power Line Communications for Remote Meter Reading and Selective Load Control," Proceedings of the American Power Conference 1974, Vol. 36, pp. 1114-1119.
AS	B. Ron Russell, editor, "Communication Alternatives for Distribution Metering and Load Management," Record of Panel Presentations, 1979 Summer Power Meetings, IEEE Transactions on Power Apparatus and Systems, Vol. PAS-99, No. 4 July/Aug. 1980, IEEE, New York, NY, pp. 1448-1455.
AT	Glen Lokken et al., "The Proposed Wisconsin Electric Power Company Load Management System," 1976 Nat. Telecomm. Conf., Dallas, Texas, Nov. 1976, IEEE, New York, NY, pp. 2.2-1 to 2.2-3.
AU	J.H. Bull et al., "A Survey of Mains Signalling Within the UK," ERA Report No. 86-0038, ERA Technology Limited, Surrey, England, April 1986, pp. 1-52, AA.2-AA.5, FIGS. 1-33, Table I.
AV	British Standards, "Signalling on low-voltage electrical installations in the frequency range 3KHz to 148.5KHz," BS EN 50065-1, 1992 (2 pages); "Electromagnetic compatibility - Generic emission standard," BS EN 50081-1 (2 pages); "Telecontrol equipment and systems," BS 7407 (870-1-1) (1 page).

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AW	Draft standard, "Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kKz to 148.5 kHz, Part 4: Filters at the interface of the indoor and outdoor electricity network," EN 50 065-4 April 1992 (11 pages).
AW	Draft standard, "Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kKz to 148.5 kHz, Part 7: Equipment Impedance, EN 50 065-7 April 1992 (3 pages).
AX	"Coaxial Feeder Cables," Engineering Notes, Publication Ref. No. TSP507/1, Pye Telecommunications Limited, Cambridge, England, June 1975, pp. 1-13.

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U. S. Patent Documents

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
<i>JS</i>	AA	4,479,033	10/84	Brown et al.	179	2.51
<i>JS</i>	AB	4,701,945	10/87	Pedigo	379	66

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes/No
<i>JS</i>	AL	WO93/07693	4/93	PCT, WIPO	H04J	13/00
<i>JS</i>	AM	2,326,087	4/77	France	H04B	3/54
	AN					Abstract

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

<i>JS</i>	AR	JP62120735, Patent Abstracts of Japan, Vol. 11 No. 341 (E-554) 2 June 1987, Kaoruet al., Method and Apparatus for Frequency Hopping Stread Spectrum Power Line Carrier Communication, 1 page.
<i>JS</i>	AS	JP62030428, Patent Abstracts of Japan, Vol. 11 No. 209 (E-521) 9 Feb. 1987, Kondo Tomio, Current Superposition Type High Frequency Circuit, 1 page.
	AT	
	AU	

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U. S. Patent Documents

Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
EL	AA	4,409,542	10/83	Becker et al.	324	434	
	AB	5,477,091	12/95	Fiorina et al.	340	310.01	
	AC	4,419,621	12/83	Becker et al.	324	51	
	AD	4,367,522	1/83	Forstbauer et al.	363	137	
	AE	4,912,553	3/90	Pal et al.	340	310.01	
	AF	4,383,243	5/83	Krugel et al.	340	310.02	
	AG	4,359,644	11/82	Foord	340	310.02	
	AH	3,993,989	11/76	Held et al.	340	310.01	
	AI	5,559,377	9/96	Abraham	379	66	6/94
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

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	AL						
	AM						
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	AO						
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Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
<i>W</i>	AD	3,846,638	11/74	Wetherell	307	3	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
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FOREIGN PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation Yes/No
<i>W</i>	AL	WO90/13950	11/90	PCT, WIPO	H04B	1/50	
	AM						
	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)

<i>W</i>	AR	JP1276933, Patent Abstracts of Japan, Vol. 14, No. 51 (E-0881) 30 Jan. 1990, Uchida Hiroshi, Transformer Bypass Circuit, 1 page.
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	AT	
	AU	

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Form PTO-1449 (Modified) List of Patents and Publications for Applicant's Information Disclosure Statement	Atty Docket No.:  NRWB002--2	Serial No.: <del>08/826,983</del>  09/287,028
	Applicant(s): Paul Anthony BROWN	
	Filing Date: 04/06/99 <del>April 9, 1997</del>	Group: 2617

## U.S. Patent Documents

Exam. Init.	Patent Number	Issue Date	Inventor Name(s)	Class/Subclass	Filing Date
<i>✓</i>	3,942,170	03/1976	Whyte	340/310 A	
<i>✓</i>	4,142,178	02/1979	Whyte et al.	340/310 R	
<i>✓</i>	4,475,209	10/1984	Udren	375/4	
<i>✓</i>	5,068,890	11/1991	Nilssen	379/90	
<i>✓</i>	5,148,144	09/1992	Sutterlin et al.	340/310 A	
<i>✓</i>	5,497,142	03/1996	Chaffanjon	340/310.06	

## Foreign Patent Documents

Exam. Init.	Doc. Number	Date	Country	Class/Subclass	Translation Yes/No

## Other Information (including author, title, date, pertinent pages, etc.)

Ex. Init.	Description
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EXAMINER:

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*[Signature]*  
*[Date]*

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**Form PTO-1449** (modified)List of Patents and Publications  
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ATTY. DOCKET NO.

**NRWB002--2**

SERIAL NO.

~~08/826,983~~

APPLICANT: PAUL A. BROWN

09/287,028

FILING DATE **04/06/99**  
~~April 9, 1997~~GROUP  
2736**U.S. PATENT DOCUMENTS**

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>W</i>		5,319,634	06/1994	Bartholomew et al.	370	18	
		5,066,939	11/1991	Mansfield	340	310 R	
		4,766,414	8/1988	Shuey	340	310 A	
<i>W</i>		2,577,731	12/1951	Berger	179	2.5	

**FOREIGN PATENT DOCUMENTS**

EXAM. INIT.	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO

**OTHER (Author, Title, Journal, Volume, Pertinent Pages, & Date)**

<i>W</i>		Informal English translation of French Application No. 7621599 corresponding to French Patent 2,326,087 (Zellweger Uster).					
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DATE CONSIDERED

*6/30/99*

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Information Disclosure Statement--PTO-1449 (Modified)



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~~08/826,983~~

Applicant

Paul A. Brown

09/287,028

Filing Date

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~~April 9, 1997~~

Group

2736

### Reference Designation

### U. S. Patent Documents

Examiner Initial		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
<i>JS</i>	AA	3,696,383	10/72	Oishi et al.	340	310	
	AB	4,471,399	9/84	Udren	361	64	
	AC	4,517,548	5/85	Ise et al.	340	310 R	
	AD	5,406,249	4/95	Pettus	340	310.08	
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	AH						
	AI						
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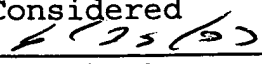
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Form PTO-1449 (Modified) List of Patents and Publications For Applicant's Information Disclosure Statement  (Use several sheets if necessary)	Atty Docket No.	Serial No.
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	Applicant Paul A. Brown	
	Filing Date 04/06/99 <del>9 April 1997</del>	Group 2736

Reference Designation				U. S. Patent Documents			
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	AA						
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	AL						
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	AN						
	AO						
	AP						

OTHER ART (Including Author, Title, Date Pertinent Pages, Etc.)		
	AR	J. Gohari, "Power-Line Carrier," <u>Fundamentals Handbook of Electrical and Computer Engineering, Vol. II, Communication, Control, Devices, and Systems</u> , (Sheldon S. L. Chang, editor), John Wiley & Sons, New York, 1983, pp. 617-627.
	AS	
	AT	

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